YOUR 1942 INDEX
of
THE WELDING ENGINEER

Volume 27 — January to December inclusive

AUTHORS

Alimansky, M. I., Jan., 36.
Bardine, Cal S., Apr., 44.
Barnes, John T., Apr., 33.
Bercaw, R. C., Mar., 90.
Brooking, Walter J., Sept., 30; Oct., 37.
Bruckner, Walter H., Nov., 31.
Card, H. S., Sept., 50; July, 45.
Chance, K. E., Jan., 48.
Clason, Clyde B., Aug., 27; Sept., 35.
Clegg, Ray, Mar., 99.
Cunningham, J. A., July, 36.
Davis, L. H., Apr., 45.
Day, H. S., Aug., 39; July, 27.
Della-Vedowa, R., Nov., 32.
Diehl, Vincent E., Jan., 48.
Elliott, Oct., 43; Dec., 39.
Foreman, R. T., May, 39.
Foster, C. R., Aug., 34.
Franklin, R. J., Nov., 33.
Graham, Harry F., June, 41.
Green, John S., July, 35.
Harder, O. E., Dec., 82.
Hastings, Carlton H., Nov., 32.
Havens, Arthur, Apr., 28; July, 41; Sept., 19; Nov., 35.
Heacox, M. L., Jan., 38.
Herrick, Clayton B., Mar., 31.
Herrschaft, D. C., Nov., 32.
Hess, W. F., Nov., 30.
Huge, E. C., Nov., 32.
Hughey, Howard, Dec., 80.
Insley, R. E., Jan., 36.
Jefferson, T. B., Jan., 25; Jan., 42; Feb., 41; May, 27; Sept., 41; Nov., 63.
Koopman, K. H., Nov., 32.
Lewis, R. B., Jan., 29; Apr., 37.
Liedholm, C. A., Dec., 84.
Loose, W. S., Dec., 30.
Lynde, C. C., Feb., 46; Mar., 98; Apr., 51; July, 52; Aug., 50; Sept., 52; Oct., 66; Dec., 59.
Lytle, A. R., Nov., 32.
Manzer, C. M., Aug., 39; July, 27.
Martin, Warren H., July, 52.
Matis, Henry A., Dec., 34.
McColl, A. S., Sept., 47.
Menzies, J. C., May, 45.
Oldenkamp, H. A., July, 32.
Orban, A. R., Dec., 30.
Parker, L. H., July, 46.
Pate, M. T., Jan., 49; Mar., 97; Apr., 51; Sept., 52; Dec., 59.
Patten, Asher H., June, 27.
Pickhaver, L. G., Nov., 39.
Piper, Thomas E., Sept., 27.
Priesand, I. T., Dec., 36.
Quinn, Edward L., Oct., 46.
Reiss, Ernest, July, 40.
Roberts, D. E., May, 34.
Rockwell, M. M., Nov., 32.
Sandberg, G. H., Nov., 43.
Schaphorst, W. F., Dec., 57.
Schroder, C. R., Nov., 25; Dec., 40.
Schweisheimer, M. D., July, 44.
Sedam, M. G., July, 30.
Seemann, A. K., Jan., 32.
Shelton, William A., Aug., 38.
Simons, Eric N., Oct., 41.
Smith, C. E., Mar., 27.
Spicer, K. M., Dec., 49.
Sterrett, Elton, Apr., 36.
Stevenson, F. H., Dec., 82.
Swift, Clinton E., Nov., 31.
Toddsworth, B. J., Apr., 25; May, 42.
Tymick, H. W., Mar., 92.
Voldrich, C. B., Dec., 82.
Wanamaker, Harvey L., Mar., 97.
Weitzel, F. A., June, 33.
Wharton, J. M., Feb., 32.
White, Lt. Roger Q., Oct., 35.
Wilson, W. M., Nov., 30.
Wood, L. P., Feb., 33.
Woolman, E. G., Feb., 29.
Wyer, R. F., Aug., 45.
Yoch, A. H., Dec., 80.
Young, Henry W., June, 39.
Zoellner, Fred H., Mar., 90.

FEATURE ARTICLES

A

A Banner Welding Year, 1941, Jan., 25.
Aircraft Construction and Maintenance, Jan., 32.
Aircraft Propellor Blade Welding, Dec., 84.
Aircraft Resistance Welding Equipment, Feb., 33.
Aircraft Structures, Welding New Alloy Steels, Nov., 32.
Aircraft Tubing, Arc Welding, Aug., 35.
Aircraft, Welding in., Dec., 82.
All Welded Bridge, Feb., 47.
Alloy Materials, Weldable, Oct., 47.
Alloy Steels, Welding of New Types, Nov., 32.
Alloys, Conserving Scarce, Aug., 50.
Aluminum Bronze, Welding with, Nov., 31.
Arc Welding, Automatic Carbon, June, 38.
Arc Welding Chrome Moly Tubing, Aug., 35.
Arc Welding Fumes, Dec., 27.
Arc Welding Magnesium Alloys, Sept., 27; Dec., 30.
Armament: Resistance Welding Shells, Apr., 25.
Army Cookstoves, Jan., 47.
Atomic Hydrogen for Tool Repair, May, 27.
Atomic Hydrogen, Propellor Blade Welding, Dec., 84.
Automatic Carbon Arc Welding, June, 38.
Automotive, Arc Welding Checker Cabs, June, 42.
Automotive Cylinder Head Repair, Feb., 25.
AWS Annual Meeting, Nov., 28.
AWS Meets, Oct., 29.

B

Barrel Dumping Harness, Feb., 47.
Batch Scale Car, Jan., 46.
Bench, All Welded, Feb., 46.
Bench, Job Shop, Mar., 90.
Bench, Safe Edge, May, 52.
Blast-Hole Drill Bit, Apr., 44.
Boilers, Welded High Pressure, Nov., 43.
Brazing Copper Bus Bars, Mar., 34.
Brazing Saves Tin, Dec., 59.
Brazing, Warpless, Jan., 46.
Bridge, All Welded, Feb., 47.
Building, All-Welded Hotel, Sept., 40.
Building Checker Cabs, June, 42.
Building Construction, Welded, Dec., 43.

"I don't want a doll—I want a welding set."

P-4160-NEC — Drawn for Office of War Information

Building Liberty Ships, Mar., 85.
Bus Bars, Copper Brazing, Mar., 34.
Buses and Trucks "Kept Rolling," Aug., 43.
Butt Welds, Fatigue Strength of Commercial in Carbon-Steel Plates, Nov., 30.

C

Cabs, Building Checker, June, 42.
Carbon Arc Welding, Automatic, June, 38.
Carbon-Manganese Steel, Weldability of, Dec., 82.
Cast Iron Welding Rods and Electrodes, Nov., 33.
Cattle Walkway, Apr., 51.
Chair, Welding a Wheel, Oct., 66.
Circuit Breaker Tanks, Welded, Aug., 38.
Clamping, Magnetic, Feb., 32.
Conservation in Welding, Mar., 31.
Conservation, Let's Save Oxygen, June, 36.
Conservation of Tungsten Electrodes, Nov., 39.
Conserving Tool Steel, Oct., 46.
Construction, All-Welded **Hotel,** Sept., 40.
Construction and Maintenance, Aircraft, Jan., 32.
Construction, Machinery Fabrication, June, 39.
Construction, Welded Building, Dec., 43.
Construction, Welded, Ordered, Nov., 42.
Control in Welding, What—Where? Mar., 27.
Controlled Materials Plan, Dec., 47.
Copper, Improving with Silver, Aug., 50.
Coverage of Electrodes, Data Sheet, Jan., 57.
Crane for Gun Turrets, Sept., 52.
Crane, Utility, Feb., 46.
Custom-Built Welder, Jan., 46.
Current Measurement Improves Welding Technique (Part 1), July, 27.
Current Measurement Improves Welding Technique (Part 2), Aug., 39.
Cutting, Factors Affecting Accuracy of Ordnance Machine Cutting, Dec., 80.
Cutting Machine, Mar., 90.
Cylinder Heads, Repairing, Feb., 25.

D

Die Strippers, Brazed, July, 54.
Dipper Teeth, Longer Life for, Mar., 92.
Dipper Teeth, Rebuilding, Apr., 37.
Drill Bit, Blast-Hold, Apr., 44.

E

Electrode Coverage Data, Jan., 57.
Elevator, Portable, Jan., 46.
Engineering Data Sheets, 16: Electrode Coverage Data, Jan., 57; 17: Temperature Data, Feb., 57; 18: Resistance Weld and Sequence Timers, Mar., 95; 19: Emergency Steel Specifications, Apr., 55; 20: Fluxes for Oxy-Acetylene Welding and Brazing, May, 57; 21: Metals, The Weldor's Table of, June, 57; 22: Welded Joints—Good and Bad, July, 57; 23: Specifications for Ferrous Materials, Aug., 55; 24: Resistance Welding Fundamentals, Sept., 57; 25: The A-B-C of Corrosion and Heat Resisting Steels, Oct., 89; 26: Effects of Alloying Elements in Steel, Nov., 63; 27: Pipe Bend Allowances, Dec., 57.
Engine-Driven Welders, Governing, Jan., 38.

F

Fabrication and Construction of Machinery, June, 39.
Fatigue Strength of Commercial Butt Welds, Nov., 30.
Fatigue Tests of Full Thickness Plates, Nov., 32.
Ferrous Materials Specification, Data Sheet, Aug., 55.
Fireproof Building, July, 52.
Fish Oil Plant Moves, Feb., 47.
Flagpole Base, Jan., 47.
Flame-Cut Gear, Sept., 54.
Flame-Cutting Channels, Sept., 54.
Flame-Cutting, Factors Affecting Accuracy in Ordnance, Dec., 80.
Flame-Cutting Machine, Mar., 90.
Flame-Cutting Speeds War Production, Oct., 39.
Flame-Hardening, Aug., 50.
Flotation Equipment, Welded Mine, June, 27.
Fumes, Arc Welding, Dec., 27.
Furnaces, Welded Electric, Oct., 41.

G

Gamma-Ray Testing of Welds, Sept., 35.
Gear, Flame-Cut, Saves Shutdown, Sept., 54.
Globe Valves, Welded, Oct., 43.
Governing Engine-Driven Welders, Jan., 38.
Grand Coulee, Pipes for, Aug., 32.
Gun Turrets, Crane for, Sept., 52.

H

Hard-facing Blast-Hole Drill Bit, Apr., 44.
Hard-facing, Hardness vs. Wear, May, 45.
Hard-facing, Repairing Dipper Teeth, Mar., 92; Apr., 37.
Hard-facing, Tool Steel Conservation, Oct., 46.
Hard-facing Tractor Parts, July, 36.
Hardness vs. Wear, May, 45.
Health, Arc Welding Fumes, Dec., 27.
Heliarc Welding, Sept., 27; Dec., 30.
Hoist, Impromptu Scrap Iron, Mar., 99.
Hydraulic Press Base, May, 38.

I

IAA 42nd Annual Meeting, Nov., 34.
Inspection, Gamma Ray, Sept., 35.
Inspection, X-Ray of Welds, May, 39; Aug., 27.

J

Jigsaw, Flame, Sept., 54.
Jobbers & Distributors, Directory of, Mar., 75.
Joints, Welded—Good and Bad, July, 57.

K

Keyway Cutter Repaired, Mar., 93.
Knives, Old, Made New, Aug., 50.
Know Your Weldors, Dec., 48.

L

Lathe Output, Welding Speeds, July, 32.
Laundry, Welded Field, Apr., 51.
Let's Save Oxygen, June, 36.
License Data Holder, Jan., 49.
Limitation Order L-146, July, 47.
Lining Them Up, June, 49.
Locking Ear, Welded, Apr., 51.
Lubrication, Welded Step Aids, Mar., 98.

M

M-4 Tanks in Action, Sept., 29.
Machine Cutting, Factors Affecting Accuracy in Ordnance, Dec., 80.
Machine Maintenance, Welding, Aug., 45.
Magnesium Welding Arc, Sept., 27; Dec., 30.
Magnetic Clamping, Feb., 32.
Magnetic Powder Method of Inspecting, Nov., 32.
Manganese, Rebuilding 11 to 14%, Jan., 29.
Manganese Crusher Jaw Repairs, Apr., 45.
Manhole Covers, Welded, Dec., 39.
Maintenance and Construction, Aircraft, Jan., 32.
Maintenance at a Gold Mine, Sept., 44.
Manifold Construction, June, 49.
Maintenance, Blast Furnace Blower Engine, Mar., 92.
Maintenance, Buses and Trucks, Aug., 43.
Maintenance, Drag Bucket, Sept., 48.
Maintenance, Manganese Crusher Jaws, Apr., 45.
Maintaining Mining Machinery, Feb., 38.
Maintenance of Welding Machines, Aug. 45.
Maintenance, Railroad Car, Apr., 28.
Maintenance, Tractor Parts, July, 36.
Maintenance Welding in Railroad Shop, July, 41.
Maintenance Welding Saves Time, June, 49.
Maintenance, Wire Cloth, of, Dec., 49.
Manufacturers, Directory of, Mar., 54.
Material Control, Saving Scrap Losses through (Part 1), Sept., 30.
Material Control, Saving Scrap Losses through (Part 2), Oct., 37.
Mechanical Drive, Portable, July, 35.
Metal Show, Oct., 32.
Metallurgy's Part in Welding, July, 30.
Metals, The Weldor's Table of, June, 57.
Military Tanks, M-4, in Action, Sept., 29.
Mine Flotation Equipment, Welded, June, 27.
Mine Cables, Silver Soldering for, Feb., 40.
Mine Equipment, Welding, Oct., 66.
Mine, Maintenance at a Gold, Sept., 44.
Mining Equipment by Welding, Apr., 46.
Mining Machinery, Maintaining, Feb., 38.

N

N-A-X High Tensile Steel, Spot Welding of, (Part 1), Nov., 25.
N-A-X High Tensile Steel, Spot Welding of, (Part 2), Dec., 40.
NE Steels, Specifications, Apr., 55.
Neat Covers for Trucks, Jan., 49.
New Bottoms for Old Tanks, Feb., 29.

O

Oil Cup and Guard, Aug., 50.
Oil Well Survey Aid, Apr., 36.
Ordnance, Factors Affecting Accuracy in Machine Cutting, Dec., 80.
Oxygen, Let's Save, June, 36.
Oxy-Acetylene, Training Welding and Cutting Operators, May, 34.

P

Parachute Flares, "Stitching," July, 52.
Phos-Copper Brazing Bus Bars, Mar., 34.
Pile Driver, Welded, June, 49.
Pipe Welding, Manifold Construction, June, 49.
Pipe Welding, 550 Miles of, Sept., 34.
Pipe Line Construction, Sept., 34.
Pipe Line Flotation Drums, Apr., 51.
Pipe Line, Stop for, Sept., 53.
Pipes for Grand Coulee, Aug., 32.
Piping, Ships Welded, Sept., 41.
Portable Elevator, Jan., 46.
Portable Storage Tank, Jan., 48.
Power Factor Improvement, Jan., 36.
Priorities for Welding, Feb., 41.
Priorities, No More, Dec., 47.
Priorities, Welding, Jan., 42.
Priority Problems, Apr., 41.
Production Spot Welding, May, 42.
Propellor Blade Welding, Dec., 84.

Q

Qualified Weldors—Quick, Apr., 39.
Quench Gradient Tests, Weld, Nov., 31.

R

Railroad Car Maintenance, Apr., 28.
Railroad Shop, Welding in, July, 41.
Rebuilding Manganese Crusher Plates, Jan., 29.
Repair Tools by Welding, May, 27.
Repairing Cylinder Heads, Feb., 25.
Resistance Weld and Sequence Timers, Mar., 95.
Resistance Welding, Current Measure Improves Technique (Part 1), July, 27.
Resistance Welding, Current Measure Improves Technique (Part 2), Aug., 39.
Resistance Welding, Equipment for Aircraft, Feb., 33.
Resistance Welding Goes to War, Nov., 38.
Resistance Welding N-A-X High Tensile Steel, Nov., 25.
Resistance Welding, Power Factor Improvement, Jan., 36.
Resistance Welding, Production Spot Welding, May, 42.
Resistance Welding Shells, Apr., 25.
Resistance Welding Transformer Tanks, June, 31.
Resistance Welding, What Welding Control Where? Mar., 27.
Roller, Sheep's Foot, Oct., 42.

S

Sabotage, Are You Watching for? Apr., 33.
Safer Shells for War, Apr., 25.
Safety, Practices in Welding, Dec., 34.
Saving Scrap Losses through Material Control, (Part 1), Sept., 30.
Saving Scrap Losses through Material Control, (Part 2), Oct., 37.
School, A Shipyard Welding, June, 45.
Scrap Breaker, A Welded, June, 41.
Scrap Losses Saved through Material Control (Part 1), Sept., 30.
Scrap Losses Saved through Material Control (Part 2), Oct., 37.
Sealed Transformers, Feb., 46.
Seam Welding Transformer Tanks, June, 31.
Shear, Rotary, Oct., 42.
Sheep Dip Tank, Jan., 48.
Shells, Safer, for War, Apr., 25.
Ship Piping, Welded, Sept., 41.
Ships, Building Liberty, Mar., 85.
Ships, Manhole Covers, Welded, Dec., 39.
Ships, Stern Frame Construction, Dec., 36.
Ships, Stud Welding on, Dec., 42.
Ships, Welded, Can Take It, Apr., 32.
Shipyard Welding School, June, 45.
Short Span Trusses with Tubular Members, June, 33.
Skid, Welded Extension, Dec., 59.
Silver Brazing, Jan., 37.
Silver Brazing Die Strippers, July, 54.
Silver Brazing Method, Improved, Apr., 38.
Silver Soldering for Mine Cables, Feb., 40.
Silver Soldered Spool, Sept., 53.
Size No Obstacle, Mar., 92.
Skin Troubles, Welding and, July, 44.
Specifications for Ferrous Materials, Data Sheet, Aug., 55.
Spool Silver Brazed, Sept., 53.
Spot Welded Joints, Strength of, Nov., 32.
Spot Welding, Equipment for Aircraft, Feb., 33.
Spot Welding, N-A-X High Tensile Steel, (Part 1), Nov., 25.
Spot Welding, N-A-X High Tensile Steel, (Part 2), Dec., 40.
Spot Welding of SAE X-4130 Steel, .040 in. Thickness, Nov. 30.
Spot Welding, Production, May, 42.
Spot Welding Transformer Tanks, June, 31.
Spot Welding, What Welding Control Where? Mar., 27.
Stack Handling Device, Dec., 59.
Stainless Steel Kitchen Equipment, Aug., 34.
Stainless Steel Tubing Fabricated, Aug., 42.
Statistical Review, Mar., 38.
Steam Separator, May, 48.
Steam Tables to Order, Aug., 34.
Steam Trap Anchored, Mar., 97.
Steel Hotel, All-Welded, Sept., 40.
Steel Specifications, Emergency, Apr., 55.
Stern Frames, Thermit Welded, Dec., 36.
Stool, Redesigning a Bar, July, 40.
Stoves, Army Cook, Jan., 47.
Stud Welding Process, Dec., 42.
Swimming Pool, Welded, May, 41.

T

Tank, Cleaning, from Scrap, Oct., 45.
Tank, Dual Service Truck, Sept., 52.
Tank, Portable Storage, Jan., 48.
Tank, Sheep Dip, Jan., 48.
Tanks, New Bottoms for Old, Feb., 29.
Tanks, Sealed Transformers, Feb., 46.
Tanks, Water for Tulsa, June, 44.
Tanks, Welded Circuit Breaker, Aug., 38.
Tanks, Welding Transformer, June 31.
Temperature Data, Data Sheet, Feb., 57.
Testing, X-Ray Examination of Welds, May, 39; Aug., 27.
Testing of Welds, Gamma-Ray, Sept., 35.
Tests, Weldability of Carbon-Manganese Steel, Dec., 82.
Thermit Welding, Ship Stern Frames, Dec., 36.
Tips, Torch, to Order, Sept., 50.
Timers, Resistance Welding, Mar., 95.
Tin, Saved by Brazing, Dec., 59.
Tool Steel, Conserving, Oct., 46.
Tools, Keyway Cutter Repair, Mar., 93.
Tools Repaired by Welding, May, 27; Nov., 35.
Torch Tips to Order, Sept., 50.
Tractor Parts "Kept Rolling" with Arc Welded Repairs, July, 36.
Trade Names, Directory of, Mar., 67.
Trailers from a Job Shop, May, 31.
Trailer, Welded, Mar., 97.
Training Oxy-Acetylene Welding and Cutting Operators, May, 34.
Training Qualified Weldors—Quick, Apr., 39.
Training, Shipyard Welding School, June, 45.
Training Weldors in Wartime, Sept., 47.
Transformer Tanks, Welding, June, 31.
Trusses, Short Span, with Tubular Members, June, 33.
Tube Mill Stand, Mar., 98.
Tubing, Aircraft, Arc Welded, Aug., 35.
Tubing, Chrome Moly, Arc Welded, Aug., 35.
Tubular Structures Portable, July, 45.
Tungsten Electrodes, Conservation, Nov., 39.
Turbine Seal Ring at One-Third Cost, July, 46.

U

U. S. Navy, Welding in the, Oct., 35.
Utility Crane, Feb., 46.

V

Valve Guard, Welded, Oct., 66.

W

WPB Forms Welding Section, Nov., 42.
War Production Conference, Oct., 32.
Wagon, Welded, May, 52.
Warpless Brazing, Jan., 46.
Water Tank for Tulsa, June, 44.
Wear vs. Hardness, May, 45.
Weldability of Carbon-Manganese Steel, Dec., 82.
Welded Building Construction, Dec., 43.
Welding Brings Business, June, 39.
Welding 11 to 14% Manganese, Jan., 29; Apr., 45.
Welding Foils Thieves, Sept., 48.
Welding in Aircraft, Dec., 82.
Welding Metallurgy, July, 30.
Welding Priorities, Jan., 42; Feb., 41; Apr., 41; July, 47.
Welding, Safe Practices in, Dec., 34.
Weldors, Training in Wartime, Sept., 47.
Weldors, Training Oxy-Acetylene Welding and Cutting Operators, May, 34.
Welded Stand Saves Water Cooler, Feb., 46.
Welder, Custom-Built, Jan., 46.
Welders, Governing Engine-Driven, Jan., 38.
Welders, Machine Maintenance, Aug., 45.
Welds, Identification, of, Dec., 48.
What Welding Control Where?, Mar., 27.
Wire Cloth Repair Methods, Dec., 49.
Wrinkle Bending, July, 52.

X

X-Ray Examination of Welding, May, 39; Aug., 27.

39;

eel,
6.

35.
led

ng

rs,

nd